

Form PTO-1449  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  <i>(Use several sheets if necessary)</i>		Docket Number (Optional) <b>2703.8US (93-0453.08/US)</b>		Application Number <b>Not yet assigned</b>	
Applicant <b>Ball et al.</b>		Filing Date <b>August 4, 2003</b>		Group Art Unit <b>Unknown</b>	

  

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
KS	3,566,207	05/1969	Adams	—	—	
	3,685,137	08/1972	Gardiner			
	3,995,845	12/1976	Scheffer			
	4,030,657	06/1977	Scheffer			
	4,361,261	11/1982	Elles et al.			
	4,434,347	02/1984	Kurtz et al.			
	4,527,730	07/1985	Shirai et al.			
	4,600,138	07/1986	Hill			
	4,603,803	08/1986	Chan et al.			
	4,653,681	03/1987	Dreibelbis et al.			
KS	4,765,531	08/1988	Ricketson et al.	—	—	

  

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

  

OTHER DOCUMENTS		(Including Author, Title, Date, Pertinent Pages, Etc.)
KS		H.K. Charles, Jr.; <i>Electrical Interconnection</i> ; pps. 224-236.

  

EXAMINER 	DATE CONSIDERED <b>4-1-04</b>
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance. Include copy of this form with next communication to the applicant.

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Applicant <b>Ball t al.</b>				Filing Date <b>August 4, 2003</b>		Group Art Unit <b>Unkn wn</b>	

  

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
ES	4,778,097	10/1988	Hauser	—	—	
	4,821,945	04/1989	Chase et al.			
	5,035,034	07/1991	Cotney			
	5,114,066	05/1992	Amador et al.			
	5,148,959	09/1992	Cain et al.			
	5,197,652	03/1993	Yamazaki			
	5,217,154	06/1993	Elwood et al.			
	5,307,978	05/1994	Ricketson et al.			
	5,322,207	06/1994	Fogal et al.			
5,384,155	01/1995	Abbott et al.				
KS	5,421,503	06/1995	Perlberg et al.	—	—	

  

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

  

OTHER DOCUMENTS		(Including Author, Title, Date, Pertinent Pages, Etc.)

  

EXAMINER <i>Khly Stone</i>	DATE CONSIDERED <b>4-1-04</b>
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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FS	5,425,491	06/1995	Tanaka et al.	—	—	
	5,445,306	08/1995	Huddleston			
	5,465,899	11/1995	Quick et al.			
	5,647,528	07/1997	Ball et al.			
	5,673,845	10/1997	Ball			
	5,890,644	04/1999	Ball			
	6,000,599	12/1999	Ball et al.			
	6,047,877	04/2000	Ball			
	6,062,459	05/2000	Sabyeying			
	6,290,116	09/2001	Ball et al.			
KS	6,305,593	10/2001	Ball			
	6,325,275	12/2001	Ball et al.	—	—	

  

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

  

OTHER DOCUMENTS			(Including Author, Title, Date, Pertinent Pages, Etc.)

  

EXAMINER <i>Wey Stone</i>	DATE CONSIDERED <b>7-1-04</b>
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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
KS	6,419,145	07/2002	Ball	—	—	
I	6,435,400	08/2002	Ball et al.	I	I	
I	6,464,123	10/2002	Ball et al.	I	I	
I	6,484,922	11/2002	Ball	I	I	
I	6,494,357	12/2002	Ball	I	I	
KS	6,604,671	08/2003	Ball et al.	—	—	

  

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

  

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EXAMINER <i>Wiley Storer</i>	DATE CONSIDERED <i>4-1-04</i>
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